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Substitute	for form 1449A/PTO			Complete if Known		
INEO	RMATION I	ואפרו	OSTIDE	Application Number	08/841,644	
				Filing Date	April 30, 1997	
SIAI	TEMENT BY			First Named Inventor	Shunpei YAMAZAKI, et al.	
	(use as many sheets o	s necesso	(עיזו	Group Art Unit	2813	
				Examiner Name	L. Schillinger.	
Sheet	1	of	ı	Attorney Docket Number	756-1603	

					U.S. PATENT DOCUMEN	TS	
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	~		Number	Kind Code <sup>2</sup> (if known)	Document	WEVI-DE-1111	
194	200	,	4,528,480		Unagami et al.	07/09/1985	
12X	V	7	5,572,047		Hiroki et al.	11/05/1996	
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		OTHER PE	IOR ART - NON PATENT LITE	RATURE DOCUMENTS				
Examiner Initials	Cite No.1	Include name of the item (book, magaz	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.					
Rh		S. Wolf et al., Silicon Pages 190-191.	Processing for the VLSI I	Era, Volume I, Proces	s Technology, 1986,			
RI		S. Wolf, Silicon Proces	essing for the VLSI Era, \	Volume 2, Process Inte	egration, 1990, Page			
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## FORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

Complete if Known						
Application Number	08/841,644					
Filing Date	April 30, 1997					
First Named Inventor	Shunpei YAMAZAKI, et al.					
Group Art Unit	2813					
Examiner Name	C. Bowers Jr.					
Attorney Docket Number	756-1603					

			U.S. PATENT DOCUMEN	TS	
Examiner Initials	Cite No. 1	U.S. Patent Document	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Cod		MM-DD-YYYY	
All		2002/0017687	Yamazaki et al.	02/14/2002	
/XIL		5,250,931	Misawa et al.	10/05/1993	
De		4,770,498	Aoki et al.	09/13/1988	
All		5,196,912	Matsumoto et al.	03/23/1993	
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		Office)	Number <sup>4</sup>	Kind Code <sup>3</sup> (if known)	Applicant of Cited Document	MM-DD-1111	Figures Appear	1
XV		JР	01-27667	1		11/07/1989		Abst.
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<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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INFO	RMATION	DISC	AGUE	Application Number	08/841,644	
	TEMENT B			Filing Date	April 30, 1997	
51A				First Named Inventor	Shunpei YAMAZAKI et al.	
	(use as many sheet	is as necess	ary)	Group Art Unit	2813	
				Examiner Name	C. Bowers, Jr.	
Sheet	1	of	1	Attorney Docket Number	0756-1603	

				U.S. PATENT DOCUMENT	rs	
Examiner Initials	Cite No. <sup>1</sup>	U.S. Pat	ent Document	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Office	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	T <sup>4</sup>
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age.		JР	59-108360			06/22/84		Full
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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				Complete if Known			
INFO	RMATION 1	DISC	LOSURE	Application Number	08/841,644		
	TEMENT BY			Filing Date	April 30, 1997		
SIA				First Named Inventor	Shunpei YAMAZAKI et al.		
	(use as many sheets	as necess	ary)	Group Art Unit	2813		
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Sheet 1 of 1			1	Attorney Docket Number	0756-1603		

	U.S. PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear					
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ρı		Kind Code <sup>3</sup> Office <sup>3</sup> Number <sup>4</sup> (if known)		Applicant of Cited Document	MM-DD-YYYY			
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<del>,</del>			ОТН	ER PRIOR	ART – NON PATENT LITE	RATURE DOCUMENTS		
Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Initials No. title (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s),					priate), title of the	T <sup>2</sup>		

Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Atty. Docket No. Form PTO-1449 U.S. Department of Commerce Serial No. 08/841,644 Patent and Trademark Office (Rev. 8-83) Applicant: Shunpei YAMAZAKI et al. INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) Group: 1104 Filing Date: April 30, 1997 U.S. PATENT DOCUMENTS Subclass Examiner Patent Number Issue Patentee Class Filing Date (if approp.) Initial Date FOREIGN PATENT DOCUMENTS Subclass <u>Translation</u> Class Document Number Date Country Yes No Abst. 61-176155 08/07/86 Japan 10/19/72 47-25192 Abst. Japan X 10/25/71 46-3025 Japan X 48-22285 03/20/73 Japan X 09/13/72 47-18278 Japan Abst. 01/17/89 64-12576 Japan Abst. 4-109678 04/10/92 Japan Abst. 58-164268 09/29/83 Japan 58-186967 11/01/83 Japan Abst. X 12/17/90 2-148132 Japan OTHER DOCUMENTS (Including Author, Title, Relevant Pages, Date, Place of Publication) 9000 Date Considered Examiner \*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form P10-16 (Rev. 8-83)	449	U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No.: 0756	-1603	Serial No.:	08/841,644		
INFORMATION DISCLOSURE STATEMENTP: Applicant: Shunpei YAMAZAKI et al.									
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U.S. PA	TENT	DOCUMENTS		7	<b>,</b>				
Examiner Initial*		Document Number	EMARKS Date	Name	Class	Subclass	Filing Date (if appropriate)		
CHT		5,550,078	08/96	Sung					
CHT		5,424,230	06/95	Wakai					
CAST		5,930,627	07/99	Zhou et al.					
CHI		6,077,738	06/00	Lee et al.		\			
(AP		5,998,249	12/99	Liaw et al.					
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		Document Number	Date	Country	Class	Subclass	<u>Translation</u> Yes No		
(AT		58-091676	05/31/83	Japan		)	Abst.		
CAT		49-078483	07/29/74	Japan			Concise Stmt.		
CAT		64-047076	02/21/89	Japan			Abst.		
TAT		46-003025	10/25/71	Japan			Full		
AT		48-022285	03/20/73	Japan			Concise Stmt.		
CAT		47-018278	09/13/72	Japan		1	Concise Stmt.		
At		02-148132	12/17/90	Japan			Concise Stmt.		
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